

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
Energy, Minerals & Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-104  
Revised August 1, 2011

Submit one copy to appropriate District Office

AMENDED REPORT

DEC 11 2014  
RECEIVED

**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

<sup>1</sup> Operator name and Address COG Operating LLC 2208 W. Main Street Artesia, NM 88210		<sup>2</sup> OGRID Number 229137
		<sup>3</sup> Reason for Filing Code/ Effective Date NW
<sup>4</sup> API Number 30 - 015-42135	<sup>5</sup> Pool Name Wildcat G-03 S262631M; Bone Spring	<sup>6</sup> Pool Code 97818
<sup>7</sup> Property Code 38565	<sup>8</sup> Property Name Jack Federal	<sup>9</sup> Well Number 5H

**II. <sup>10</sup> Surface Location**

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
A	31	25S	27E		190	North	500	East	Eddy

**<sup>11</sup> Bottom Hole Location**

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
P	31	25S	27E		330	South	424	East	Eddy
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code F	<sup>14</sup> Gas Connection Date 12/3/14	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

**III. Oil and Gas Transporters**

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
248440	Western Refining Company, LP 6500 Trowbridge Drive El Paso, TX 79905	O
147831	Agave Energy Company 105 S. 4 <sup>th</sup> Street Artesia, NM 88210	G
	NM OIL CONSERVATION ARTESIA DISTRICT	
	NM OIL CONSERVATION ARTESIA DISTRICT	
	NM OIL CONSERVATION ARTESIA DISTRICT	

**IV. Well Completion Data**

<sup>21</sup> Spud Date 9/8/14	<sup>22</sup> Ready Date 11/23/14	<sup>23</sup> TD 11956' 7513	<sup>24</sup> PBTB 11928'	<sup>25</sup> Perforations 7754-11903'	<sup>26</sup> DHC, MC
<sup>27</sup> Hole Size	<sup>28</sup> Casing & Tubing Size	<sup>29</sup> Depth Set	<sup>30</sup> Sacks Cement		
17 1/2"	13 3/8"	395'	400		
12 1/4"	9 5/8"	2058'	700		
8 3/4"	5 1/2"	11956'	2450		

**V. Well Test Data**

<sup>31</sup> Date New Oil 11/27/14	<sup>32</sup> Gas Delivery Date 12/3/14	<sup>33</sup> Test Date 11/30/14	<sup>34</sup> Test Length 24 Hrs	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure 300#
<sup>37</sup> Choke Size 30/64"	<sup>38</sup> Oil 746	<sup>39</sup> Water 2297	<sup>40</sup> Gas 1000		<sup>41</sup> Test Method Flowing

<sup>42</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.  
Signature: *Stormi Davis*  
Printed name: Stormi Davis  
Title: Regulatory Analyst  
E-mail Address: sdavis@concho.com  
Date: 12/9/14  
Phone: 575-748-6946

OIL CONSERVATION DIVISION  
Approved by: *[Signature]*  
Title: *[Signature]*  
Approval Date: 12/18/14  
Pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM114349
2. Name of Operator COG OPERATING LLC		6. If Indian, Allottee or Tribe Name
Contact: STORMI DAVIS E-Mail: sdavis@concho.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 2208 WEST MAIN ARTESIA, NM 88210	3b. Phone No. (include area code) Ph: 575-748-6946	8. Well Name and No. JACK FEDERAL 5H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 31 T25S R27E NENE 190FNL 500FEL		9. API Well No. 30-015-42135
		10. Field and Pool, or Exploratory WILDCAT; BONE SPRING
		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

10/28/14 to 11/23/14 MIRU. Test to 9200#. Good test. Ran CBL. TOC @ 3662'. Set CBP @ 11928'. Test csg to 8434#. Perf Bone Spring 7754-11903' (504). Acdz w/55576 gal 7 1/2%. Frac w/6521539# sand & 5407416 gal fluid.

11/26/14 Began flowing back & testing.

11/27/14 Date of 1st production.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

DEC 11 2014

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*Approved for record  
AD NMOCDA/18/14*

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #284575 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad</b>	
Name (Printed/Typed) STORMI DAVIS	Title PREPARER
Signature (Electronic Submission)	Date 12/09/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office _____

Pending BLM approvals will subsequently be reviewed and scanned

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMNM114349

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.  
 Other \_\_\_\_\_

2. Name of Operator  
COG OPERATING LLC  
Contact: STORMI DAVIS  
E-Mail: sdavis@concho.com

3. Address 2208 W MAIN ST  
ARTESIA, NM 88210  
3a. Phone No. (include area code)  
Ph: 575-748-6946

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface NENE 190FNL 500FEL  
 At top prod interval reported below  
 Sec 31 T25S R27E Mer NMP  
 At total depth SESE 330FSL 424FEL

6. If Indian, Allottee or Tribe Name  
7. Unit or CA Agreement Name and No.  
8. Lease Name and Well No.  
JACK FEDERAL 5H  
9. API Well No.  
30-015-42135  
10. Field and Pool, or Exploratory  
WILDCAT; BONE SPRING  
11. Sec., T., R., M., or Block and Survey  
or Area Sec 31 T25S R27E Mer NMP  
12. County or Parish  
EDDY  
13. State  
NM  
14. Date Spudded  
09/08/2014  
15. Date T.D. Reached  
09/19/2014  
16. Date Completed  
 D & A  Ready to Prod.  
11/23/2014  
17. Elevations (DF, KB, RT, GL)\*  
3249 GL  
18. Total Depth: MD 11956  
TVD 7513  
19. Plug Back T.D.: MD 11928  
TVD 7513  
20. Depth Bridge Plug Set: MD 11928  
TVD 7513  
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
NONE  
22. Was well cored?  No  Yes (Submit analysis)  
Was DST run?  No  Yes (Submit analysis)  
Directional Survey?  No  Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 H40	48.0	0	395		400		0	
12.250	9.625 J55	36.0	0	2058		700		0	
8.750	5.500 P110	17.0	0	11956		2450		3662	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	7754	11903	7754 TO 11903	0.430	504	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
7754 TO 11903	SEE IN REMARKS

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/27/2014	11/30/2014	24	→	746.0	1000.0	2297.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
30/64	SI	300.0	→	746	1000	2297		POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Well Status
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #284578 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

NM OIL CONSERVATION  
ARTESIA DISTRICT

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subsequently be reviewed  
and scanned

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)  
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
LAMAR	2049	2095		RUSTLER	235
BELL CANYON	2096	2917		TOS	405
CHERRY CANYON	2918	4048		BOS	1857
BRUSHY CANYON	4049	5619		LAMAR	2049
BONE SPRING LM	5620	6554		BELL CANYON	2096
1ST BONE SPRING	6555	7344		CHERRY CANYON	2918
2ND BONE SPRING	7345	7517		BRUSHY CANYON	4049
				BONE SPRING LM	5620

32. Additional remarks (include plugging procedure):

Perfs 7 1/2" Sand (#) Fluid (gal)  
 11701-11903' 4000 456235 653016  
 11397-11599' 3822 450423 371028  
 11093-11296' 2982 449621 370566  
 10790-10992' 3570 456214 381192  
 10486-10685' 3822 453852 367878  
 10183-10385' 3822 555537 369306  
 9882-10081' 3822 454174 365148

33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7. Other:     |                       |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #284578 Verified by the BLM Well Information System.  
 For COG OPERATING LLC, sent to the Carlsbad

Name (please print) STORMI DAVIS Title REGULATORY ANALYST

Signature \_\_\_\_\_ (Electronic Submission) Date 12/09/2014

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* ORIGINAL \*\* ORIGINAL \*\***

**Additional data for transaction #284578 that would not fit on the form**

**32. Additional remarks, continued**

9575-9778' 3822 450877 363468  
9272-9475' 6804 452944 377496  
8968-9171' 3822 452062 365106  
8661-8867' 3822 451964 351918  
8361-8563' 3822 445615 360444  
8057-8260' 3822 384034 339066  
7754-7956' 3822 507987 371784  
Totals 55576 6421539 5407416

Additional Tops:

1st Bone Spring 6555  
2nd Bone Spring 7345

Surveys are attached.